EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("6513129").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/02/19 10:37
S2	1	"6269396".PN.	USPAT	OR	OFF	2004/02/19 10:29
S3	1	"6253339".PN.	USPAT	OR	OFF	2004/02/19 10:30
S4	1	"6205563".PN.	USPAT	OR	OFF	2004/02/19 10:30
S5	1	"6147975".PN.	USPAT	OR	OFF	2004/02/19 10:31
S6	1	"6131112".PN.	USPAT	OR	OFF	2004/02/19 10:33
S7	1	"6006016".PN.	USPAT	OR	OFF	2004/02/19 10:33
S8	1	"6000045".PN.	USPAT	OR	OFF	2004/02/19 10:34
S9	1	"5805785".PN.	USPAT	OR	OFF	2004/02/19 10:34
S10	1	"5790780".PN.	USPAT	OR	OFF	2004/02/19 10:34
S11	1	"5768501".PN.	USPAT	OR	OFF	2004/02/19 10:35
S12	1	"5764955".PN.	USPAT	OR	OFF	2004/02/19 10:35
S13	1	"5761502".PN.	USPAT	OR	OFF	2004/02/19 10:35
S14	286	(resource same management).ti.	US-PGPUB; USPAT	OR	ON	2004/02/19 10:37
S15	44	((resource same management).ti.) and adaptive	US-PGPUB; USPAT	OR	ON	2004/02/19 10:37
S16	35	(((resource same management).ti.) and adaptive) and monitor$3	US-PGPUB; USPAT	OR	ON	2004/02/19 10:38
S17	25	(((resource same management).ti.) and adaptive) and monitor$3 and usage	US-PGPUB; USPAT	OR	ON	2004/02/19 10:38
S18	19	(((resource same management).ti.) and adaptive) and monitor$3 and usage and history	US-PGPUB; USPAT	OR	ON	2004/02/19 11:00
S19	15	(((resource same management).ti.) and adaptive) and monitor$3 and (add$3) and remov$3	US-PGPUB; USPAT	OR	ON	2004/02/19 11:05
S20	11	(((resource same management).ti.) and adaptive) and monitor$3 and (add$3 near3 resource)	US-PGPUB; USPAT	OR	ON	2004/02/19 11:06
S21	7	(((resource same management).ti.) and adaptive) and monitor$3 and (remov$3 near3 resource)	US-PGPUB; USPAT	OR	ON	2004/02/19 11:08
S22	11	(((resource same management).ti.) and adaptive) and monitor$3 and (network near4 element)	US-PGPUB; USPAT	OR	ON	2004/02/19 11:10

S23	4	(((resource same management).ti.) and adaptive) and monitor$3 and proactive	US-PGPUB; USPAT	OR	ON	2004/02/19 11:11
S24	19	(((resource same management).ti.) and adaptive) and monitor$3 and pool	US-PGPUB; USPAT	OR	ON	2004/02/19 11:13
S25	4	(((resource same management).ti.) and adaptive) and pro$active	US-PGPUB; USPAT	OR	ON	2004/02/19 11:13
S26	9	((resource same management).ti.) and pro$active	US-PGPUB; USPAT	OR	ON	2004/02/19 11:15
S27	4	((resource same management).ti.) and (user near4 intervention)	US-PGPUB; USPAT	OR	ON	2004/02/19 11:16
S28	88	((resource same management).ti.) and ((add$3 or reduc$3 or remov$3) adj3 resource)	US-PGPUB; USPAT	OR	ON	2004/02/19 11:17
S29	15	((resource same management).ti.) and ((add$3 or reduc$3 or remov$3) adj3 resource) and predict$3	US-PGPUB; USPAT	OR	ON	2004/02/19 11:17
S30	108	(monitor$3 near4 hardware near4 resource)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:03
S31	11	(monitor$3 near4 hardware near4 resource) and histor$5 and predict$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 14:57
S32	1	("6446123").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/13 15:00
S33	4	(("5961598") or ("6456306") or ("6047279") or ("5353902")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/13 15:00
S34	7	(monitor$3 near4 hardware near4 resource) and (allocat$3 near4 additional)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:04
S35	796	(allocat$3 near4 hardware near4 resource)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:12
S36	18	(allocat$3 near4 hardware near4 resource) and histor$5 and (predict$3) and threshold	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:09
S37	6	(allocat$3 near4 hardware near4 resource) and histor$5 and (predict$3) and threshold and (@ad<"20001211")	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:07
S38	0	(allocat$3 near4 hardware near4 resource) and (histor$5 near10 (predict$3))	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:08

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S39	0	(allocat$3 near4 hardware near4 resource) and (histor$5 and (future near4 predict$3))	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:08
S40	5	(allocat$3 near4 hardware near4 resource near4 additional)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:10
S41	9	(allocat$3 near4 hardware near4 resource) and (monitor$3 near4 threshold)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:12
S42	0	(allocat$3 near4 hardware near4 resource) and (predict$3 near4 furture)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:13
S43	2	(allocat$3 near4 hardware near4 resource) and (predict$3 near4 threshold)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:20
S44	1	(allocat$3 near4 hardware near4 resource) and (predict$3 near4 level)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:14
S45	1	("6460082").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/13 15:14
S46	1	"6216173".PN.	USPAT; USOCR	OR	ON	2005/04/13 15:15
S47	1	"6175878".PN.	USPAT; USOCR	OR	ON	2005/04/13 15:15
S48	1	"6085030".PN.	USPAT; USOCR	OR	ON	2005/04/13 15:15
S49	1	"6058423".PN.	USPAT; USOCR	OR	ON	2005/04/13 15:16
S50	1	"5999525".PN.	USPAT; USOCR	OR	ON	2005/04/13 15:16
S51	1	"5826239".PN.	USPAT; USOCR	OR	ON	2005/04/13 15:16
S52	74	(allocat$3 near4 hardware near4 resource) and (allocat$3 near4 additional)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:24
S53	12	(allocat$3 near4 hardware near4 resource) and (adaptive) and predict$3 and histor$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:25
S54	15	(allocat$3 near4 hardware near4 resource) and (future) and predict$3 and histor$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:27
S55	23	(allocat$3 near4 hardware near4 resource) and (increas$3) and predict$3 and histor$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:27

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S56	2	(allocat$3 near4 hardware near4 resource) and (threshold near5 predict$3) and histor$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:28
S57	2	(allocat$3 near4 hardware near4 resource) and (threshold near5 predict$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:29
S58	25	(allocat$3 near4 hardware near4 resource) and (histor$5 and predict$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:35
S59	1	("6691067").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/13 15:31
S60	1	(allocat$3 near4 hardware near4 resource) and ((past near4 data) and predict$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:35
S61	14	(allocat$3 near4 hardware near4 resource) and ((previous near4 data) and predict$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:37
S62	11	(allocat$3 near4 hardware near4 resource) and ((heuristic$5) and predict$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:38
S63	11	(allocat$3 near4 hardware near4 resource) and (adjust$3 near4 hardware)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:39
S64	796	(allocat$3 near4 hardware near4 resource)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:39
S65	51	(allocat$3 near4 hardware near4 resource) and "714"/$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:39
S66	14	(allocat$3 near4 hardware near4 resource) and "714"/$.ccls. and threshold	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:40
S67	16	(allocat$3 near4 hardware near4 resource) and (adapt$3.ti.)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:42
S68	34	(allocat$3 near4 hardware near4 resource) and (physical$2 near4 add$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:51
S69	579	(allocat$3 near4 hardware near4 resource) and (physical$2)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:51
S70	64	(allocat$3 near4 hardware near4 resource) and (physical$2) and predict$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:51

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S71	31	(allocat$3 near4 hardware near4 resource) and (physical$2) and predict$3 and threshold	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 15:53
S72	11	(allocat$3 near4 hardware near4 resource) and (physical$2) and predict$3 and threshold and (@ad<"20001211")	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 16:15
S73	579	(allocat$3 near4 hardware near4 resource) and (physical$2)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 16:16
S74	0	(allocat$3 near4 hardware near4 resource) and (physical$2 near4 manual$2)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 16:16
S75	27	(allocat$3 near4 hardware near4 resource) and (physical$2 near4 install$5)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 16:21
S76	72	(allocat$3 near4 hardware near4 resource) and (order$4 near4 hardware) and physical$2	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 16:21
S77	27	(allocat$3 near4 hardware near4 resource) and (order$4 near4 hardware) and physical$2 and manual$2	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 16:24
S78	1	("6513129").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/13 16:24
S79	0	("(monitor$3near4hard$warenear4r esource)and(manual$3near4add$3)").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/15 14:24
S80	0	(monitor$3 near4 hard$ware near4 resource) and (manual$3 near4 add$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 14:24
S81	1	(monitor$3 near4 hard$ware near4 resource) and (manual$3 near4 install$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 14:25
S82	23	(allocat$3 near4 hard$ware near4 resource) and (manual$3 near4 install$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 14:26
S83	5	(allocat$3 near4 hard$ware near4 resource near4 additional)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 14:28
S84	800	(allocat$3 near4 hard$ware near4 resource)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 14:29
S85	91	(allocat$3 near4 hard$ware near4 resource) and (additional near4 hard$ware)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 14:30

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S86	20	(allocat$3 near4 hard$ware near4 resource) and (additional near4 hard$ware) and physically and manually	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 15:15
S87	1	("6446123").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/15 14:41
S88	1	"6349325".PN.	USPAT; USOCR	OR	ON	2005/04/15 14:59
S89	1	"6260062".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:00
S90	1	"6259679".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:01
S91	1	"6233449".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:06
S92	1	"6181776".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:07
S93	1	"6115393".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:07
S94	1	"6049827".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:08
S95	1	"6718359".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:09
S96	1	"6625639".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:09
S97	1	"6374297".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:09
S98	1	"6173322".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:09
S99	1	"6167446".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:09
S100	1	"6108703".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:09
S101	1	"6097882".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:10
S102	1	"6088727".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:10
S103	1	"6070191".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:10
S104	1	"6067580".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:10
S105	1	"6067545".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:10
S106	1	"6014669".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:11

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S10 7	1	"6006259".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:11
S10 8	1	"6006259".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:11
S10 9	1	"5999965".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:11
S11 0	1	"5948065".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:11
S11 1	1	"5832222".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:11
S11 2	1	"5938732".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:12
S11 3	66	(allocat$3 near4 hard$ware near4 resource) and (plac$3 near4 order$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 15:15
S11 4	18	(allocat$3 near4 hard$ware near4 resource) and (plac$3 near4 order$3) and physically and manually	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 15:17
S11 5	15	(allocat$3 near4 hard$ware near4 resource) and (hard$ware near4 order$3) and physically and manually	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 15:19
S11 6	0	(monitor$3 near4 hard$ware near4 resource) and (hard$ware near4 order$3) and physically and manually	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 15:19
S11 7	108	(monitor$3 near4 hard$ware near4 resource)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 15:19
S11 8	19	(monitor$3 near4 hard$ware near4 resource) and (order$3 near4 hard$ware)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 15:23
S11 9	5	(monitor$3 near4 hard$ware near4 resource) and (order$3 near4 hard$ware) and (@ad<"20001211")	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 15:26
S12 0	1	"6553336".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:23
S12 1	1	"6536037".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:23
S12 2	1	"6389403".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:24
S12 3	1	"5999179".PN.	USPAT; USOCR	OR	ON	2005/04/15 15:24

S12 4	7	(monitor$3 near4 hard$ware near4 resource) and (order$3 near4 plac$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 15:27
S12 5	0	(monitor$3 near4 hard$ware near4 resource) and (buy$3 near4 hard$ware)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 15:27
S12 6	1	(monitor$3 near4 hard$ware near4 resource) and (purchas$3 near4 hard$ware)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 15:29
S12 7	3	(monitor$3 near4 hard$ware near4 resource) and (purchas$3 near4 additional)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 15:31
S12 8	9	(monitor$3 near4 hard$ware near4 resource) and (hard$ware near4 additional)	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/15 15:31
S12 9	2	"6892317"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 17:38
S13 0	2	(predict$3 near4 fail$3) and (analyz$3 near4 history) and (order$3 near4 hard$$ware)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 17:47
S13 1	19	(predict$3 near4 fail$3) and (analyz$3 near4 history) and (purchas$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 17:51
S13 2	5	(predict$3 near4 fail$3) and (purchas$3 near4 hard$$ware)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 17:53
S13 3	1	(predict$3 near4 fail$3) and (buy$3 near4 hard$$ware)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 17:57
S13 4	17	(predict$3 near4 fail$3) and ((manual$3 or physical$3) near4 re$configur$6)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 18:00
S13 5	170	(predict$3 near4 fail$3) and ((manual$3 or physical$3) near4 configur$6)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 18:00
S13 6	53	(predict$3 near4 fail$3) and ((manual$3 or physical$3) near4 configur$6) and purchas$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 18:06
S13 7	34	(predict$3 near4 fail$3) and (hard$$ware near4 add$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 18:10
S13 8	81	(predict$3 near4 fail$3) and (hard$$ware near4 monitor$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 18:10

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S13 9	2	(predict$3 near4 fail$3) and (hard$$ware near4 monitor$3) and ((order$3 or buy$3 or purchas$3) near4 hard$$ware)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 18:13
S14 0	4	(predict$3 near4 fail$3) and (hard$$ware near4 monitor$3) and ((order$3 or buy$3 or purchas$3) near4 equipment)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 18:15
S14 1	3	(predict$3 near4 fail$3) and (hard$$ware near4 monitor$3) and ((order$3 or buy$3 or purchas$3) near4 replac$6)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 18:26
S14 2	2	"6738811"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/11 18:26
S14 3	1	"20010056483".PN.	US-PGPUB	OR	ON	2005/10/11 18:26
S14 4	1	"6490620".PN.	USPAT; USOCR	OR	ON	2005/10/11 18:28
S14 5	1	"6446123".PN.	USPAT; USOCR	OR	ON	2005/10/11 18:29
S14 6	1	"6319114".PN.	USPAT; USOCR	OR	ON	2005/10/11 18:29
S14 7	1	"6178529".PN.	USPAT; USOCR	OR	ON	2005/10/11 18:29
S14 8	1	"6122758".PN.	USPAT; USOCR	OR	ON	2005/10/11 18:30
S14 9	1	"6178529".PN.	USPAT; USOCR	OR	ON	2005/10/11 18:33
S15 0	1	"6122758".PN.	USPAT; USOCR	OR	ON	2005/10/11 18:33
S15 1	1	"6145098".PN.	USPAT; USOCR	OR	ON	2005/10/11 18:33
S15 2	1	"6105146".PN.	USPAT; USOCR	OR	ON	2005/10/11 18:34
S15 3	1	"5930476".PN.	USPAT; USOCR	OR	ON	2005/10/11 18:34
S15 4	1	"5819177".PN.	USPAT; USOCR	OR	ON	2005/10/11 18:35
S15 5	1	"5761085".PN.	USPAT; USOCR	OR	ON	2005/10/11 18:35
S15 6	1161	(allocat$3 same additional same hardware)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:24

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S15 7	82	(allocat$3 same additional same hardware) and histor$6 and statistic$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:24
S15 8	43	(allocat$3 same additional same hardware) and histor$6 and statistic$3 and threshold	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:24
S15 9	27	(allocat$3 same additional same hardware) and histor$6 and statistic$3 and threshold and predict$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:37
S16 0	98	(additional same hardware same resourc$3) and histor$6 and statistic$3 and threshold and predict$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:37
S16 1	38	(additional same hardware same resourc$3) and (usage near4 histor$6) and statistic$3 and threshold and predict$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:40
S16 2	12	(additional same hardware same resourc$3) and (usage near4 histor$6) and (statistic$3 near5 analysis) and threshold and predict$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:38
S16 3	0	(allocat$3 same additional same hardware) and (usage near4 histor$6) and statistic$3 and threshold and predict$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:41
S16 4	7	(allocat$3 same additional same hardware) and (usage near4 histor$6) and statistic$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 12:44
S16 5	26	(allocat$3 same additional same hardware) and (statistic$3 same histor$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:00
S16 6	200	(allocat$3 same hardware) and (statistic$3 same histor$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:05
S16 7	12	(allocat$3 same hardware) and (usage near10 histor$6) and (statistic$3 near10 analysis)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:07
S16 8	12	(allocat$3 same hardware) and (usage near10 histor$6) and (statistic$3 near10 analy$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:08
S16 9	0	(allocat$3 same hardware) and (uhistor$6) and (statistic$3) and threshold and pre$$order$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:08
S17 0	3	(allocat$3 same hardware) and (histor$6) and (statistic$3) and threshold and pre$$order$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:09

EAST Search History

S17 1	4	(allocat$3 same hardware) and (histor$6) and (statistic$3) and pre$$order$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:10
S17 2	4	(allocat$3 same hardware) and (statistic$3) and pre$$order$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:10
S17 3	0	(monitor$3 near10 hardware) and (statistic$3 near10 histor$6) and (adjust$3 near10 allocat$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:11
S17 4	75	(monitor$3 near10 hardware) and (statistic$3 near10 histor$6) and (adjust$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:11
S17 5	4	(monitor$3 near10 hardware) and (statistic$3 near10 histor$6) and (adjust$3) and (allocat$3 near10 additional)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:13
S17 6	40	(monitor$3 near10 hardware) and (statistic$3 near10 histor$6) and (adjust$3) and (allocat$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:13
S17 7	19	(monitor$3 near10 hardware) and (statistic$3 near10 histor$6) and (adjust$3) and (allocat$3) and ((adding or addition or additional) near10 resource)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:15
S17 8	41	(monitor$3 near10 hardware) and (statistic$3 near10 histor$6) and (allocat$3) and ((adding or addition or additional) near10 resource)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:53
S17 9	11	"6154787"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:44
S18 0	1	"6009275".PN.	USPAT; USOCR	OR	ON	2006/04/12 14:47
S18 1	1	"5996013".PN.	USPAT; USOCR	OR	ON	2006/04/12 14:48
S18 2	1	"5898883".PN.	USPAT; USOCR	OR	ON	2006/04/12 14:48
S18 3	1	"5889956".PN.	USPAT; USOCR	OR	ON	2006/04/12 14:48
S18 4	1	"5826239".PN.	USPAT; USOCR	OR	ON	2006/04/12 14:49
S18 5	1	"5717856".PN.	USPAT; USOCR	OR	ON	2006/04/12 14:49
S18 6	1	"5694541".PN.	USPAT; USOCR	OR	ON	2006/04/12 14:49
S18 7	1	"5675797".PN.	USPAT; USOCR	OR	ON	2006/04/12 14:49

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S18 8	1	"5625795".PN.	USPAT; USOCR	OR	ON	2006/04/12 14:49
S18 9	1	"5467467".PN.	USPAT; USOCR	OR	ON	2006/04/12 14:50
S19 0	1	"5347646".PN.	USPAT; USOCR	OR	ON	2006/04/12 14:50
S19 1	1	"5467467".PN.	USPAT; USOCR	OR	ON	2006/04/12 14:50
S19 2	1	"5228137".PN.	USPAT; USOCR	OR	ON	2006/04/12 14:50
S19 3	276	(monitor$3 near10 hardware) and (statistic$3 and histor$6) and (allocat$3) and (adjust$3) and predict$3 and future	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:54
S19 4	7	(monitor$3 near10 hardware) and (statistic$3 and histor$6) and (adjust$3 near4 resource) and predict$3 and future	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:55
S19 5	104	(monitor$3 near10 hardware) and (statistic$3 same histor$6) and (adjust$3) and predict$3 and future	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:56
S19 6	56	(monitor$3 near10 hardware) and (statistic$3 same histor$6) and (adjust$3 same (predict$3 or future))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 14:59
S19 7	54	(automat$6 near10 hardware near10 upgrad$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 15:00
S19 8	18	(automat$6 near10 hardware near10 upgrad$3) and histor$6 and statistic$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 15:07
S19 9	45	"5758071"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 15:04
S20 0	7	"5758071" and predict$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 15:04
S20 1	84	(automat$6 same hardware same upgrad$3) and histor$6 and statistic$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 15:07
S20 2	38	(automat$6 same hardware same upgrad$3) and histor$6 and statistic$3 and predict$3 and future	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 15:12
S20 3	38	(automat$6 same hardware same upgrad$3) and histor$6 and statistic$3 and predict$3 and future	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/04/12 15:21

S20 4	71	(resource near10 utilization) and (hard$$ware near10 upgrad$3) and histor$6 and statistic$3 and predict$3 and future	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/04/12 15:33
S20 5	4	(("5796633") or ("5961596") or ("6192490") or ("6405327")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/12 15:31
S20 6	1	("6327677").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/12 15:31
S20 7	1	("6058260").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/12 15:46
S20 8	11	(predict$3 near10 hard$$ware near10 up$grad$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:09
S20 9	1	"6128642".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:49
S21 0	1	"6061722".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:49
S21 1	1	"6021437".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:50
S21 2	1	"5951634".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:50
S21 3	1	"5815638".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:50
S21 4	1	"5809238".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:50
S21 5	1	"5809238".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:51
S21 6	1	"5802509".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:51
S21 7	1	"5781703".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:51
S21 8	1	"5774661".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:51
S21 9	1	"5771356".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:51
S22 0	1	"5761380".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:51
S22 1	1	"5751914".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:51
S22 2	1	"5649200".PN.	USPAT; USOCR	OR	ON	2006/04/12 15:51

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S22 3	7	"6557035"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 15:52
S22 4	42	(predict$3 same hard$$ware same up$grad$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:14
S22 5	15	(predict$3 same hard$$ware same up$grad$3) and statistic$3 and (histor$6 or heuristic$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:11
S22 6	23	(predict$3 same hard$$ware same up$grad$3) and statistic$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:11
S22 7	187	(hard$$ware same up$grad$3) and predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:15
S22 8	7	(hard$$ware same up$grad$3) and predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold and (pre$$order$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:16
S22 9	184	(hard$$ware same up$grad$3) and predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold and (order$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:16
S23 0	38	(hard$$ware same up$grad$3) and predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold and (order$3 near10 (additional))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:18
S23 1	20	(resource same up$grad$3) and predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold and (order$3 near10 (hard$ware))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:23
S23 2	47	(resource same up$grad$3) and predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold and ((adding or addition) near10 (hard$ware))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:24
S23 3	999	(resource near10 resource) and predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:25
S23 4	379	(resource near10 hard$ware) and predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:25

S23 5	7	(resource near10 hard$ware) and predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold and future and (manual$3 near10 hard$ware)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:26
S23 6	12	(resource near10 hard$ware) and predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold and future and (manual$3 near10 addition)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:27
S23 7	22	(resource near10 hard$ware) and predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold and (manual$3 near10 addition)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:28
S23 8	55	(resource near10 hard$ware) and predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold and (allocat$3 near10 hard$ware)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:28
S23 9	2	(resource near10 hard$ware) and predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold and (allocat$3 near10 hard$ware near10 addition)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:30
S24 0	3	predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold and (allocat$3 near10 hard$ware near10 addition)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:30
S24 1	12	predict$3 and statistic$5 and (histor$5 or heuristic$3) and threshold and (allocat$3 near10 (memory or cpu or disk) near10 addition)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:32
S24 2	57	(allocat$3 near10 (memory or cpu or disk) near10 addition) and ((memory or cpu or disk) near10 up$grad$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:05
S24 3	33	(allocat$3 near10 (memory or cpu or disk) near10 addition) and ((memory or cpu or disk) near10 up$grad$3) and statistic$3 and (histor$5 or heuristic$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:33
S24 4	9	"6738811"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 16:55
S24 5	1	"20020133254".PN.	US-PGPUB	OR	ON	2006/04/12 16:57

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S24 6	1	"20020099638".PN.	US-PGPUB	OR	ON	2006/04/12 16:57
S24 7	1	"20020082753".PN.	US-PGPUB	OR	ON	2006/04/12 16:58
S24 8	1	"20020077711".PN.	US-PGPUB	OR	ON	2006/04/12 16:58
S24 9	1	"6809292".PN.	USPAT; USOCR	OR	ON	2006/04/12 16:58
S25 0	1	"6774786".PN.	USPAT; USOCR	OR	ON	2006/04/12 16:58
S25 1	1	"6751525".PN.	USPAT; USOCR	OR	ON	2006/04/12 16:58
S25 2	1	"6738811".PN.	USPAT; USOCR	OR	ON	2006/04/12 16:58
S25 3	1	"6721609".PN.	USPAT; USOCR	OR	ON	2006/04/12 16:59
S25 4	1	"6654801".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:00
S25 5	1	"6643608".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:00
S25 6	1	"6633782".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:00
S25 7	1	"6614882".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:01
S25 8	1	"6587879".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:01
S25 9	1	"6584432".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:01
S26 0	1	"6557118".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:01
S26 1	1	"6460070".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:01
S26 2	1	"6445963".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:02
S26 3	1	"6421571".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:02
S26 4	1	"6411678".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:02
S26 5	1	"6397114".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:02
S26 6	1	"6321348".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:02
S26 7	1	"6317701".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:03

S268	1	"6298454".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:03
S269	1	"6298377".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:03
S270	1	"6259956".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:03
S271	1	"6246325".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:03
S272	1	"6169980".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:03
S273	1	"6128279".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:04
S274	1	"6122555".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:04
S275	1	"6122555".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:04
S276	1	"6110214".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:04
S277	1	"6108616".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:04
S278	1	"6106785".PN.	USPAT; USOCR	OR	ON	2006/04/12 17:04
S279	10	(automat$6 near4 (part near5 order$3)) and (hard$ware near4 resource)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:07
S280	2	(automat$6 near4 (hard$ware near5 order$3)) and (hard$ware near4 resource)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:08
S281	62	(automat$6 near4 (hard$ware near5 order$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:08
S282	9	(automat$6 near4 (hard$ware near5 order$3)) and predict$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:33
S283	62	(automat$6 near4 (hard$ware near5 order$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:11
S284	24	(automat$6 near4 (hard$ware near5 order$3)) and fail$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:11
S285	104	(monitor$3 near5 utilization) and (hard$ware near5 fail$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:34
S286	0	(monitor$3 near5 utilization) and (predict$3 near5 hard$ware near5 fail$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:34

S28 7	7	(monitor$3 near5 utilization) and (predict$3 same hard$ware same fail$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:35
S28 8	23	(hard$ware near5 utilization) and (predict$3 near10 fail$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:38
S28 9	666	((heuristic$3 or histor$6) near5 utilization)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 17:39
S29 0	13	((heuristic$3 or histor$6) near5 utilization) and (hard$ware near5 fail$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 09:39
S29 1	293	(hard$ware near5 (utilization or usage)) and (histor$6 or heuristic$3) and statistic$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 09:40
S29 2	16	(hard$ware near5 (utilization or usage)) and (histor$6 or heuristic$3) and statistic$3 and (predict$3 near10 fail$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 09:42
S29 3	49	((memory or cpu or disk) near5 (utilization or usage)) and (histor$6 or heuristic$3) and statistic$3 and (predict$3 near10 fail$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 09:52
S29 4	9	(hard$ware near5 health) and (histor$6 or heuristic$3) and statistic$3 and (predict$3 near10 fail$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 09:54
S29 5	140	"5123017"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 09:55
S29 6	0	"5123017" and statistic$3 and (pre$$order$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 09:55
S29 7	0	"5123017" and (pre$$order$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 09:55
S29 8	4	"5123017" and (order$3 near4 replac$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 09:57
S29 9	42	"5123017" and statistic$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 09:57
S30 0	28	"5123017" and statistic$3 and predict$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 09:57
S30 1	23	"5123017" and statistic$3 and predict$3 and histor$6	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 10:07

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S30 2	13	"6167538"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 10:55
S30 3	1	"5956479".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:36
S30 4	1	"5880954".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:36
S30 5	1	"5796633".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:36
S30 6	1	"5642478".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:36
S30 7	1	"5548724".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:36
S30 8	1	"6101531".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:41
S30 9	1	"6065138".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:41
S31 0	1	"6003145".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:42
S31 1	1	"5924097".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:42
S31 2	1	"5917485".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:42
S31 3	1	"5875119".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:43
S31 4	1	"5864738".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:43
S31 5	1	"5832310".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:43
S31 6	1	"5758149".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:43
S31 7	1	"5745915".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:43
S31 8	1	"5581482".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:54
S31 9	1	"5276809".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:54
S32 0	1	"5245638".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:54
S32 1	1	"5210862".PN.	USPAT; USOCR	OR	ON	2006/04/13 10:54
S32 2	23	"6405327"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 13:11

S32 3	1	(hard$$ware near5 monitor$3) and (recommend$3 near4 hard$ware near4 up$grad$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 13:11
S32 4	10	(recommend$3 near4 hard$ware near4 up$grad$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 15:01
S32 5	1	("6738811").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/13 15:08
S32 6	1	"20010056483".PN.	US-PGPUB	OR	ON	2006/04/13 15:02
S32 7	1	"6490620".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:03
S32 8	1	"6446123".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:05
S32 9	1	"6319114".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:07
S33 0	1	"6178529".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:07
S33 1	1	"6122758".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:07
S33 2	1	"6105146".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:07
S33 3	1	"5930476".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:07
S33 4	1	"5819177".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:08
S33 5	1	"5761085".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:08
S33 6	9	"6738811"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 16:03
S33 7	3	"6892317"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 15:42
S33 8	1	"6519552".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:40
S33 9	1	"6343236".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:40
S34 0	1	"6023595".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:41
S34 1	1	"6023525".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:41
S34 2	1	"5999757".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:41

S34 3	1	"5923834".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:41
S34 4	1	"5892451".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:41
S34 5	1	"5887216".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:41
S34 6	1	"5884118".PN.	USPAT; USOCR	OR	ON	2006/04/13 15:42
S34 7	16	(fail$3 near4 predict$3) and ((histor$6 or heuristic$3) near4 (utilization or usage)) and (statistic$6 near5 analysis)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 15:46
S34 8	1	("5050815").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/13 15:47
S34 9	1	("5053815").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/13 15:49
S35 0	48	"5053815"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/13 15:50
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S35 4	1	("6957383").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/14 14:41
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S35 6	1	("6810363").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/04/14 16:29
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S36 0	1	("20040139231").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/15 09:37
S36 1	0	(trac$3 near4 logger) and (selectively$$enabled)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/15 09:38
S36 2	15	(trace near4 logger) and (selectively near3 enabled)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/15 09:40
S36 3	39	(trace adj3 logger)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/15 09:43
S36 4	1	("6738832").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/15 09:44
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S36 6	1	("6950874").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/15 09:49
S36 7	0	("(monitor$3near4hard$ware)and(st atistic$5near4analy$6)").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/15 13:28
S36 8	425	(monitor$3 near4 hard$ware) and (statistic$5 near4 analy$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/15 13:28
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S38 1	2	(("5539808") or ("5528672")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/17 10:53
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1 A model for predicting and evaluating computer resource consumption   ▬

Niv Ahituv, Magid Igbaria
December 1988 **Communications of the ACM**, Volume 31 Issue 12
Publisher: ACM Press

Full text available: 📄 pdf(743.08 KB)   Additional Information: full citation, abstract, references, index terms, review

Evaluation and prediction of computer resource consumption can aid in the determination of computer selection and configuration planning as well as in the usefulness and maintenance of existing systems. The model presented can be used in a "What If" mode to make these determinations.

2 Computer science education and social relevance: Technological analysis and   ▭
democratic policy-making

Marshall H. Whithed
March 1972 **ACM SIGCSE Bulletin**, Volume 4 Issue 1
Publisher: ACM Press

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The paper centers upon the implications of technical analytical methodologies, especially those which are computer-based, for public policy-making. A generalized analysis of the lack of suitable educational and experiental background of most public policy-makers is presented, and it is suggested that this lack makes it difficult for such officials to adequately evaluate technical analyses. Means to ameliorate this problem are discussed, and a model of policy-maker/computer methodology interface ...

3 Technological analysis and democratic policy-making   ▭

Marshall H. Whithed
March 1972 **Proceedings of the second SIGCSE technical symposium on Education in computer science**
Publisher: ACM Press

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The paper centers upon the implications of technical analytical methodologies, especially those which are computer-based, for public policy-making. A generalized analysis of the lack of suitable educational and experiental background of most public policy-makers is presented, and it is suggested that this lack makes it difficult for such officials to

adequately evaluate technical analyses. Means to ameliorate this problem are discussed, and a model of policy-maker/computer methodology inter ...

4 View planning for automated three-dimensional object reconstruction and inspection

William R. Scott, Gerhard Roth, Jean-François Rivest

March 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 1

Publisher: ACM Press

Full text available: pdf(517.25 KB)   Additional Information: full citation, abstract, references, index terms

Laser scanning range sensors are widely used for high-precision, high-density three-dimensional (3D) reconstruction and inspection of the surface of physical objects. The process typically involves planning a set of views, physically altering the relative object-sensor pose, taking scans, registering the acquired geometric data in a common coordinate frame of reference, and finally integrating range images into a nonredundant model. Efficiencies could be achieved by automating or semiautomating ...

Keywords: View planning, object inspection, object reconstruction, range images

5 Ontological user profiling in recommender systems

Stuart E. Middleton, Nigel R. Shadbolt, David C. De Roure

January 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 1

Publisher: ACM Press

Full text available: pdf(358.77 KB)   Additional Information: full citation, abstract, references, citings, index terms

We explore a novel ontological approach to user profiling within recommender systems, working on the problem of recommending on-line academic research papers. Our two experimental systems, Quickstep and Foxtrot, create user profiles from unobtrusively monitored behaviour and relevance feedback, representing the profiles in terms of a research paper topic ontology. A novel profile visualization approach is taken to acquire profile feedback. Research papers are classified using ontological classes ...

Keywords: Agent, machine learning, ontology, personalization, recommender systems, user modelling, user profiling

6 Intrusion detection systems and multisensor data fusion

Tim Bass

April 2000 **Communications of the ACM**, Volume 43 Issue 4

Publisher: ACM Press

Full text available: pdf(99.81 KB)
html(34.77 KB)   Additional Information: full citation, references, citings, index terms

7 Issues in computer performance evaluation: some consensus, some divergence

B. W. Boehm, T. E. Bell

July 1975 **ACM SIGMETRICS Performance Evaluation Review**, Volume 4 Issue 3

Publisher: ACM Press

Full text available: pdf(1.56 MB)   Additional Information: full citation, abstract, references

This paper summarizes the results of an ACM/NBS Workshop on Computer Performance Evaluation. Computer Performance Evaluation (CPE) was selected as the subject of an ACM/NBS Workshop because of the significant leverage CPE activities can have on computer usage. This paper describes a number of conclusions abstracted from the

discussions as well as presenting recommendations formally adopted by the participants. While several of these conclusions indicate that improvements are needed in performanc ...

8 Locality phase prediction

Xipeng Shen, Yutao Zhong, Chen Ding

October 2004 **ACM SIGOPS Operating Systems Review , ACM SIGPLAN Notices , ACM SIGARCH Computer Architecture News , Proceedings of the 11th international conference on Architectural support for programming languages and operating systems ASPLOS-XI**, Volume 38 , 39 , 32 Issue 5 , 11 , 5

Publisher: ACM Press

Full text available: pdf(739.91 KB)   Additional Information: full citation, abstract, references, index terms, review

As computer memory hierarchy becomes adaptive, its performance increasingly depends on forecasting the dynamic program locality. This paper presents a method that predicts the locality phases of a program by a combination of locality profiling and run-time prediction. By profiling a training input, it identifies locality phases by sifting through all accesses to all data elements using variable-distance sampling, wavelet filtering, and optimal phase partitioning. It then constructs a phase hiera ...

Keywords: dynamic optimization, locality analysis and optimization, phase hierarchy, program phase analysis and prediction, reconfigurable architecture

9 Power: A compiler approach for reducing data cache energy

W. Zhang, M. Karakoy, M. Kandemir, G. Chen

June 2003 **Proceedings of the 17th annual international conference on Supercomputing**

Publisher: ACM Press

Full text available: pdf(299.23 KB)   Additional Information: full citation, abstract, references, citings, index terms

Silicon technology advances have made it possible to pack millions of transistors --- switching at high clock speeds --- on a single chip. While these advances bring unprecedented performance to electronic products, they pose difficult power/energy consumption problems. For example, large number of transistors in dense on-chip cache memories consume significant static (leakage) power even if the cache is not used by the current computation. While previous compiler research studied code and data ...

Keywords: compiler analysis, data caches, energy optimization

10 Delay-based congestion avoidance for TCP

Jim Martin, Arne Nilsson, Injong Rhee

June 2003 **IEEE/ACM Transactions on Networking (TON)**, Volume 11 Issue 3

Publisher: IEEE Press

Full text available: pdf(613.10 KB)   Additional Information: full citation, abstract, references, citings, index terms

The set of TCP congestion control algorithms associated with TCP/Reno (e.g., slow-start and congestion avoidance) have been crucial to ensuring the stability of the Internet. Algorithms such as TCP/NewReno (which has been deployed) and TCP/Vegas (which has not been deployed) represent incrementally deployable enhancements to TCP as they have been shown to improve a TCP connection's throughput without degrading performance to competing flows. Our research focuses on delay-based congestion avoidan ...

Keywords: TCP congestion control, TCP/Vegas, delay-based congestion avoidance (DCA), loss and round-trip time (RTT) correlation patterns

11 Compiler-based prefetching for recursive data structures

Chi-Keung Luk, Todd C. Mowry

October 1996 **ACM SIGOPS Operating Systems Review , ACM SIGPLAN Notices , Proceedings of the seventh international conference on Architectural support for programming languages and operating systems ASPLOS-VII**, Volume 30 , 31 Issue 5 , 9

Publisher: ACM Press

Full text available: pdf(1.51 MB)   Additional Information: full citation, abstract, references, citings, index terms

Software-controlled data prefetching offers the potential for bridging the ever-increasing speed gap between the memory subsystem and today's high-performance processors. While prefetching has enjoyed considerable success in array-based numeric codes, its potential in pointer-based applications has remained largely unexplored. This paper investigates compiler-based prefetching for pointer-based applications---in particular, those containing recursive data structures. We identify the fundamental ...

12 Quantitative assessment of the software maintenance process and requirements volatility

Joel Henry, Sallie Henry

March 1993 **Proceedings of the 1993 ACM conference on Computer science**

Publisher: ACM Press

Full text available: pdf(769.50 KB)   Additional Information: full citation, abstract, references, index terms

This paper describes analysis techniques used to quantitatively assess the software maintenance process of a large military contractor, and the results obtained. The analysis techniques make use of basic data collected throughout the maintenance process. The data collected are extensive and allow a set of functional enhancements to be traced to process activities and product impact. Simple nonparametric statistical techniques are then applied to test relationships between data items ...

13 Modelling the Internet: A tool for RApid model parameterization and its applications

Kun-chan Lan, John Heidemann

August 2003 **Proceedings of the ACM SIGCOMM workshop on Models, methods and tools for reproducible network research**

Publisher: ACM Press

Full text available: pdf(373.54 KB)   Additional Information: full citation, abstract, references

The utility of simulations and analysis heavily relies on good models of network traffic. However, it is difficult to model and simulate the Internet traffic because of the network's great heterogeneity and rapid change. The statistical properties of Internet traffic not only constantly change over time but also vary in other dimensions such as locations and directions. Previously we have developed a tool *RAMP* that supports rapid parameterization of traffic models from live network measur ...

14 Towards understanding the predictability of stock markets from the perspective of computational complexity

James Aspnes, David F. Fischer, Michael J. Fischer, Ming-Yang Kao, Alok Kumar

January 2001 **Proceedings of the twelfth annual ACM-SIAM symposium on Discrete algorithms**

Publisher: Society for Industrial and Applied Mathematics

Full text available: pdf(767.95 KB)   Additional Information: full citation, abstract, references, index terms

This paper initiates a study into the century-old issue of market predictability from the perspective of computational complexity. We develop a simple agent-based model for a stock market where the agents are traders equipped with simple trading strategies, and their trades together determine the stock prices. Computer simulations show that a basic case of this model is already capable of generating price graphs which are visually similar to the recent price movements of high tech stocks. In ...

15 Clustering stream data by regression analysis

Masahiro Motoyoshi, Takao Miura, Isamu Shioya
January 2004 **Proceedings of the second workshop on Australasian information security, Data Mining and Web Intelligence, and Software Internationalisation - Volume 32 ACSW Frontiers '04**
Publisher: Australian Computer Society, Inc.
Full text available: pdf(161.27 KB)   Additional Information: full citation, abstract, references, index terms

In data clustering, many approaches have been proposed such as K-means method and hierarchical method. One of the problems is that the results depend heavily on initial values and criterion to combine clusters. In this investigation, we propose a new method to cluster stream data while avoiding this deficiency. Here we assume there exists aspects of local regression in data. Then we develop our theory to combine clusters using F values by regression analysis as criterion and to adapt to s ...

Keywords: clustering for stream, data mining, data stream, regression analysis

16 Computer security past and future

Diana Moore, Michael Neuman
April 1996 **Crossroads**, Volume 2 Issue 4
Publisher: ACM Press
Full text available: html(44.24 KB)   Additional Information: full citation, references, citings, index terms

17 Evolving data mining into solutions for insights: Business applications of data mining

Chidanand Apte, Bing Liu, Edwin P. D. Pednault, Padhraic Smyth
August 2002 **Communications of the ACM**, Volume 45 Issue 8
Publisher: ACM Press
Full text available: pdf(105.88 KB)   Additional Information: full citation, abstract, references, citings, index
html(27.21 KB)   terms

They help identify and predict individual, as well as aggregate, behavior, as illustrated by four application domains: direct mail, retail, automobile insurance, and health care.

18 The scent of a site: a system for analyzing and predicting information scent, usage, and usability of a Web site

Ed H. Chi, Peter Pirolli, James Pitkow
April 2000 **Proceedings of the SIGCHI conference on Human factors in computing systems**
Publisher: ACM Press
Full text available: pdf(1.29 MB)   Additional Information: full citation, abstract, references, citings, index
terms

Designers and researchers of users' interactions with the World Wide Web need tools that permit the rapid exploration of hypotheses about complex interactions of user goals, user behaviors, and Web site designs. We present an architecture and system for the analysis

and prediction of user behavior and Web site usability. The system integrates research on human information foraging theory, a reference model of information visualization and Web data-mining techniques. The system also incorporat ...

Keywords: World Wide Web, data mining, dome tree, information foraging, information scent, information visualization, longest repeated subsequences, usability, usage-based layout

19 The KDD process for extracting useful knowledge from volumes of data

Usama Fayyad, Gregory Piatetsky-Shapiro, Padhraic Smyth
November 1996 **Communications of the ACM**, Volume 39 Issue 11
Publisher: ACM Press
Full text available: pdf(523.49 KB)   Additional Information: full citation, references, citings, index terms

20 Using dataflow analysis techniques to reduce ownership overhead in cache coherence protocols

Jonas Skeppstedt, Per Stenström
November 1996 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 18 Issue 6
Publisher: ACM Press
Full text available: pdf(284.68 KB)   Additional Information: full citation, abstract, references, index terms, review

In this article, we explore the potential of classical dataflow analysis techniques in removing overhead in write-invalidate cache coherence protocols for shared-memory multiprocessors. We construct the compiler algorithms with varying degree of sophistication that detect loads followed by stores to the same address. Such loads are marked and constitute a hint to the cache to obtain an exclusive copy of the block so that the subsequent store does not introduce access penalties. The simplest ...

Keywords: cache coherence, dataflow analysis, performance evaluation

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21 The Operational Analysis of Queueing Network Models   ☐
◈ Peter J. Denning, Jeffrey P. Buzen
September 1978 **ACM Computing Surveys (CSUR)**, Volume 10 Issue 3
Publisher: ACM Press
Full text available: 📄 pdf(2.79 MB)   Additional Information: full citation, references, citings, index terms

22 Design reliability—estimation through statistical analysis of bug discovery data   ☐
◈ Yossi Malka, Avi Ziv
May 1998 **Proceedings of the 35th annual conference on Design automation**
Publisher: ACM Press
Full text available: 📄 pdf(199.19 KB)   Additional Information: full citation, abstract, references, citings, index
📱 Publisher Site   terms

Statistical analysis of bug discovery data is used in the software industry to check the quality of the testing process and estimate the reliability of the tested program. In this paper, we show that the same techniques are applicable to hardware design verification. We performed a study on two implementations of state-of-the-art PowerPC processors that shows that these techniques can provide quality information on the progress of verification and good predictions of the number of bugs left ...

Keywords: 21264, Alpha, architecture, coverage anaysis, microprocessor, pseudo-random, validation, verification

23 Reducing data cache leakage energy using a compiler-based approach   ☐
◈ Wei Zhang, Mahmut Kandemir, Mustafa Karakoy, Guangyu Chen
August 2005 **ACM Transactions on Embedded Computing Systems (TECS)**, Volume 4 Issue 3
Publisher: ACM Press
Full text available: 📄 pdf(750.57 KB)   Additional Information: full citation, abstract, references, index terms

Silicon technology advances have made it possible to pack millions of transistors--- switching at high clock speeds---on a single chip. While these advances bring unprecedented performance to electronic products, they also pose difficult power/energy consumption problems. For example, large number of transistors in dense on-chip cache

memories consume significant static (leakage) power even if the cache is not used by the current computation. While previous compiler research studied code and data ...

Keywords: Compiler analysis, array-intensive applications, data caches, energy optimization, pointer-intensive applications

24 Cache coherence in large-scale shared-memory multiprocessors: issues and comparisons
David J. Lilja
September 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 3
Publisher: ACM Press
Full text available: pdf(3.12 MB)   Additional Information: full citation, references, citings, index terms

25 Information systems and its underlying disciplines: Contributions of the management sciences to the evolution of management information systems
Kenneth E. Kendall, Charles H. Kriebel
September 1982 **ACM SIGMIS Database**, Volume 14 Issue 1
Publisher: ACM Press
Full text available: pdf(583.29 KB)   Additional Information: full citation, abstract, references

The "management sciences" concern disciplines that identify, extend, or unify scientific knowledge pertaining to the process and substance of management. The field of management science is often closely allied with the area called operations research through common analytical methods and models. The application and implementation of management science recognizes well the behavioral and economic realities of management practice in organizations. During the past twenty-five years, the management s ...

26 Embedded Tutorial 2: Compilers for power and energy management
Ulrich Kremer
August 2002 **Proceedings of the 2002 international symposium on Low power electronics and design**
Publisher: ACM Press
Full text available: pdf(22.68 KB)   Additional Information: full citation

27 Predictive engineering models based on the EPIC architecture for a multimodal high-performance human-computer interaction task
David E. Kieras, Scott D. Wood, David E. Meyer
September 1997 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 4 Issue 3
Publisher: ACM Press
Full text available: pdf(368.70 KB)   Additional Information: full citation, abstract, references, citings, index terms

Engineering models of human performance permit some aspects of usability of interface designs to be predicted from an analysis of the task, and thus they can replace to some extent expensive user-testing data. We successfully predicted human performance in telephone operator tasks with engineering models constructed in the EPIC (Executive Process-Interactive Control) architecture for human information processing, which is especially suited ...

Keywords: cognitive models, usability engineering

28 Prediction and ranking algorithms for event-based network data

Joshua O'Madadhain, Jon Hutchins, Padhraic Smyth

December 2005 **ACM SIGKDD Explorations Newsletter,** Volume 7 Issue 2

Publisher: ACM Press

Full text available: pdf(1.04 MB)   Additional Information: full citation, abstract, references, index terms

Event-based network data consists of sets of events over time, each of which may involve multiple entities. Examples include email traffic, telephone calls, and research publications (interpreted as co-authorship events). Traditional network analysis techniques, such as social network models, often aggregate the relational information from each event into a single static network. In contrast, in this paper we focus on the temporal nature of such data. In particular, we look at the problems of te ...

29 Using information scent to model user information needs and actions and the Web

Ed H. Chi, Peter Pirolli, Kim Chen, James Pitkow

March 2001 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Publisher: ACM Press

Full text available: pdf(278.29 KB)   Additional Information: full citation, abstract, references, citings, index terms

On the Web, users typically forage for information by navigating from page to page along Web links. Their surfing patterns or actions are guided by their information needs. Researchers need tools to explore the complex interactions between user needs, user actions, and the structures and contents of the Web. In this paper, we describe two computational methods for understanding the relationship between user needs and user actions. First, for a particular pattern of surfing, we seek to infer ...

Keywords: World Wide Web, data mining, information foraging, information retrieval, information scent, usability

30 Visualizing simulated room fires (case study)

Jayesh Govindarajan, Matthew Ward, Jonathan Barnett

October 1999 **Proceedings of the conference on Visualization '99: celebrating ten years**

Publisher: IEEE Computer Society Press

Full text available: pdf(147.93 KB)   Additional Information: full citation, abstract, references, index terms

Recent advances in fire science and computer modeling of fires allow scientists to predict fire growth and spread through structures. In this paper we describe a variety of visualizations of simulated room fires for use by both fire protection engineers and fire suppression personnel. We also introduce the concept of fuzzy visualization, which results from the superposition of data from several separate simulations into a single visualization.

Keywords: fire modeling, scientific visualization, simulation

31 Reducing lecture and increasing student activity in large computer science courses

Roy P. Pargas

June 2006 **ACM SIGCSE Bulletin , Proceedings of the 11th annual SIGCSE conference on Innovation and technology in computer science education ITICSE '06,** Volume 38 Issue 3

Publisher: ACM Press

Full text available: pdf(576.44 KB)   Additional Information: full citation, abstract, references, index terms

This paper describes how one instructor uses a web-based tool called *MessageGrid* in a laptop-enhanced computer science course to accomplish five goals: (1) to solicit questions from students regarding pre-lecture reading assignments, (2) to engage the students in classroom activity that supports the lecture material for the day, (3) to conduct short, frequent assessments of student comprehension, (4) to conduct exercises that encourage peer-learning, and (5) to use *Ink*-based softwa ...

Keywords: CS education research, classroom management, courseware, multimedia, pedagogy

32 Intrusion detection and prevention: On deriving unknown vulnerabilities from zero-day polymorphic and metamorphic worm exploits
Jedidiah R. Crandall, Zhendong Su, S. Felix Wu, Frederic T. Chong
November 2005 **Proceedings of the 12th ACM conference on Computer and communications security CCS '05**
Publisher: ACM Press
Full text available: pdf(334.95 KB)   Additional Information: full citation, abstract, references, index terms

Vulnerabilities that allow worms to hijack the control flow of each host that they spread to are typically discovered months before the worm outbreak, but are also typically discovered by third party researchers. A determined attacker could discover vulnerabilities as easily and create zero-day worms for vulnerabilities unknown to network defenses. It is important for an analysis tool to be able to generalize from a new exploit observed and derive protection for the vulnerability.Many researcher ...

Keywords: honeypots, metamorphism, polymorphic worms, polymorphism, symbolic execution, worms

33 NASA workshop on issues in the application of data mining to scientific data
Jeanne Behnke, Elaine Dobinson
June 2000 **ACM SIGKDD Explorations Newsletter**, Volume 2 Issue 1
Publisher: ACM Press
Full text available: pdf(1.08 MB)   Additional Information: full citation, index terms

Keywords: NASA, data mining, earth science, statistics

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1 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press
Full text available: 📄 pdf(4.21 MB)   Additional Information: full citation, abstract, references, index terms

> Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2 Computing curricula 2001
September 2001 **Journal on Educational Resources in Computing (JERIC)**
Publisher: ACM Press
Full text available: 📄 pdf(613.63 KB)   Additional Information: full citation, references, citings, index terms
📄 html(2.78 KB)

3 Frontmatter (TOC, Letters, Election results, Software Reliability Resources!, Computing Curricula 2004 and the Software Engineering Volume SE2004, Software Reuse Research, ICSE 2005 Forward)
July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4
Publisher: ACM Press
Full text available: 📄 pdf(6.19 MB)   Additional Information: full citation, index terms

4 Conference abstracts
January 1977 **Proceedings of the 5th annual ACM computer science conference**
Publisher: ACM Press
Full text available: 📄 pdf(3.14 MB)   Additional Information: full citation, abstract, index terms

> One problem in computer program testing arises when errors are found and corrected

after a portion of the tests have run properly. How can it be shown that a fix to one area of the code does not adversely affect the execution of another area? What is needed is a quantitative method for assuring that new program modifications do not introduce new errors into the code. This model considers the retest philosophy that every program instruction that could possibly be reached and tested from the ...

5 Curriculum recommendations for graduate professional programs in information systems
May 1972 **Communications of the ACM**, Volume 15 Issue 5
Publisher: ACM Press
Full text available: pdf(4.00 MB)   Additional Information: full citation, references, citings

Keywords: education, information analysis, information systems development, management information systems, management systems, system design, systems analysis

6 Frontmatter (TOC, Letters, Philosophy of computer science, Interviewers needed, Taking software requirements creation from folklore to analysis, SW components and product lines: from business to systems and technology, Software engineering survey)
September 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 5
Publisher: ACM Press
Full text available: pdf(1.98 MB)   Additional Information: full citation, index terms

7 Compiler transformations for high-performance computing
David F. Bacon, Susan L. Graham, Oliver J. Sharp
December 1994 **ACM Computing Surveys (CSUR)**, Volume 26 Issue 4
Publisher: ACM Press
Full text available: pdf(6.32 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

In the last three decades a large number of compiler transformations for optimizing programs have been implemented. Most optimizations for uniprocessors reduce the number of instructions executed by the program using transformations based on the analysis of scalar quantities and data-flow techniques. In contrast, optimizations for high-performance superscalar, vector, and parallel processors maximize parallelism and memory locality with transformations that rely on tracking the properties o ...

Keywords: compilation, dependence analysis, locality, multiprocessors, optimization, parallelism, superscalar processors, vectorization

8 Numerical computations: its nature and research directions
J. R. Rice, C. W. Gear, J. Ortega, B. Parlett, M. Schultz, L. F. Shampine, P. Wolfe, J. F. Traub
February 1979 **ACM SIGNUM Newsletter**, Volume 14 Issue si-1
Publisher: ACM Press
Full text available: pdf(4.43 MB)   Additional Information: full citation, abstract, references

This report on research in numerical computation is part of the Computer Science and Engineering Research Study (COSERS) which is aimed at technically educated people outside the Computer Science field. This goal led the panel to face many difficult choices

between precise, but excessively technical, descriptions and looser, but more accessible expositions. The panel hopes that all readers will keep this in mind.

9 DISSERTATIONS: ABSTRACTS OF INTEREST
Susanne M. Humphrey, Ben Shneiderman
April 1992 **ACM SIGCHI Bulletin**, Volume 24 Issue 2
Publisher: ACM Press
Full text available: pdf(2.16 MB)   Additional Information: full citation, abstract

The following abstracts were selected from a computer search using the BRS Information Technologies retrieval services of the Dissertation Abstracts International (DAI) database produced by University Microfilms International.Unless otherwise specified, paper or microform copies of dissertations may be ordered, using the UM order number, from University Microfilms International, Dissertation Copies, Post Office Box 1794, Ann Arbor, MI 488106; telephone for U.S. (except Michigan, Hawaii, or Alask ...

10 Selected IR-Related Dissertation Abstracts
February 1992 **ACM SIGIR Forum**, Volume 26 Issue 1
Publisher: ACM Press
Full text available: pdf(2.24 MB)   Additional Information: full citation

11 Selected IR-Related Dissertation Abstracts
March 1993 **ACM SIGIR Forum**, Volume 27 Issue 1
Publisher: ACM Press
Full text available: pdf(2.24 MB)   Additional Information: full citation, abstract

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12 Expected, sensed, and desired: A framework for designing sensing-based interaction
Steve Benford, Holger Schnädelbach, Boriana Koleva, Rob Anastasi, Chris Greenhalgh, Tom Rodden, Jonathan Green, Ahmed Ghali, Tony Pridmore, Bill Gaver, Andy Boucher, Brendan Walker, Sarah Pennington, Albrecht Schmidt, Hans Gellersen, Anthony Steed
March 2005 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 12 Issue 1
Publisher: ACM Press
Full text available: pdf(1.97 MB)   Additional Information: full citation, abstract, references, index terms

Movements of interfaces can be analyzed in terms of whether they are expected, sensed, and desired. Expected movements are those that users naturally perform; sensed are those that can be measured by a computer; and desired movements are those that are required by a given application. We show how a systematic comparison of expected, sensed, and desired movements, especially with regard to how they do not precisely overlap, can reveal potential problems with an interface and also inspire new feat ...

Keywords: Sensing, augmented reality, interactive furniture, mixed reality, mobile and wireless applications

13
Intrusion detection systems and multisensor data fusion

Tim Bass
April 2000 **Communications of the ACM,** Volume 43 Issue 4
Publisher: ACM Press
Full text available: pdf(99.81 KB)
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1   Fast detection of communication patterns in distributed executions   ■
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press
Full text available: 📄 pdf(4.21 MB)   Additional Information: full citation, abstract, references, index terms

> Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2   Frontmatter (TOC, Letters, Election results, Software Reliability Resources!, Computing Curricula 2004 and the Software Engineering Volume SE2004, Software Reuse Research, ICSE 2005 Forward)   ■
July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4
Publisher: ACM Press
Full text available: 📄 pdf(6.19 MB)   Additional Information: full citation, index terms

3   Conference abstracts   ■
January 1977 **Proceedings of the 5th annual ACM computer science conference**
Publisher: ACM Press
Full text available: 📄 pdf(3.14 MB)   Additional Information: full citation, abstract, index terms

> One problem in computer program testing arises when errors are found and corrected after a portion of the tests have run properly. How can it be shown that a fix to one area of the code does not adversely affect the execution of another area? What is needed is a quantitative method for assuring that new program modifications do not introduce new errors into the code. This model considers the retest philosophy that every program instruction that could possibly be reached and tested from the ...

4   ■

Information systems curriculum recommendations for the 80s: undergraduate and

graduate programs
Jay F. Nunamaker, J. Daniel Couger, Gordon B. Davis
November 1982 **Communications of the ACM**, Volume 25 Issue 11
Publisher: ACM Press

Full text available: ◨ pdf(2.20 MB)

Additional Information: full citation, abstract, references, citings, index terms

The recommendations of the 1972 and 1973 ACM Curriculum Committee on Information Systems programs have been influential in the development of degree programs at the bachelor's, master's, and doctoral levels. The earlier curriculum has been revised and updated based on advances in the field over the past nine years. The report discusses the continuing need for education related to the definition, analysis, design, construction, and management of information systems in organizations. The stru ...

5 Curriculum recommendations for undergraduate programs in information systems
J. Daniel Couger
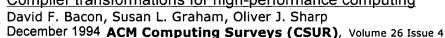December 1973 **Communications of the ACM**, Volume 16 Issue 12
Publisher: ACM Press

Full text available: ◨ pdf(3.23 MB)   Additional Information: full citation, references, citings

Keywords: education, information analysis, information systems, management systems, systems analysis, systems design, undergraduate curricula

6 Compiler transformations for high-performance computing
David F. Bacon, Susan L. Graham, Oliver J. Sharp
December 1994 **ACM Computing Surveys (CSUR)**, Volume 26 Issue 4
Publisher: ACM Press

Full text available: ◨ pdf(6.32 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

In the last three decades a large number of compiler transformations for optimizing programs have been implemented. Most optimizations for uniprocessors reduce the number of instructions executed by the program using transformations based on the analysis of scalar quantities and data-flow techniques. In contrast, optimizations for high-performance superscalar, vector, and parallel processors maximize parallelism and memory locality with transformations that rely on tracking the properties o ...

Keywords: compilation, dependence analysis, locality, multiprocessors, optimization, parallelism, superscalar processors, vectorization

7 Numerical computations: its nature and research directions
J. R. Rice, C. W. Gear, J. Ortega, B. Parlett, M. Schultz, L. F. Shampine, P. Wolfe, J. F. Traub
February 1979 **ACM SIGNUM Newsletter**, Volume 14 Issue si-1
Publisher: ACM Press

Full text available: ◨ pdf(4.43 MB)   Additional Information: full citation, abstract, references

This report on research in numerical computation is part of the Computer Science and Engineering Research Study (COSERS) which is aimed at technically educated people outside the Computer Science field. This goal led the panel to face many difficult choices between precise, but excessively technical, descriptions and looser, but more accessible expositions. The panel hopes that all readers will keep this in mind.

8

Toward an effective software reliability evaluation
Isao Miyamoto
May 1978 **Proceedings of the 3rd international conference on Software engineering**
Publisher: IEEE Press

Full text available: 🅰 pdf(979.10 KB)   Additional Information: full citation, abstract, references, citings, index terms

Effective software reliability evaluation requires theories of software reliability which define and deal with software reliability quantitatively, technologies for reliability data measurement and data analysis, techniques to estimate or predict software reliability, and practical reliability evaluation methodologies which effectively reflect the characteristics of software. This paper assesses the extents to which these requirements are currently met, and introduces improved approaches fo ...

Keywords: Reliability data, Reliability estimation, Reliability measurement, Reliability model, Software error, Software error management, Software reliability, Software reliability evaluation, Software reliability management

9 Programming languages and systems for prototyping concurrent applications
Wilhelm Hasselbring
March 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 1
Publisher: ACM Press

Full text available: 🅰 pdf(559.78 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

Concurrent programming is conceptually harder to undertake and to understand than sequential programming, because a programmer has to manage the coexistence and coordination of multiple concurrent activities. To alleviate this task several high-level approaches to concurrent programming have been developed. For some high-level programming approaches, prototyping for facilitating early evaluation of new ideas is a central goal. Prototyping is used to explore the ...

Keywords: concurrency, distribution, parallelism, rapid prototyping, very high-level languages

10 Selected IR-Related Dissertation Abstracts
February 1992 **ACM SIGIR Forum**, Volume 26 Issue 1
Publisher: ACM Press
Full text available: 🅰 pdf(2.24 MB)   Additional Information: full citation

11 Selected IR-Related Dissertation Abstracts
March 1993 **ACM SIGIR Forum**, Volume 27 Issue 1
Publisher: ACM Press
Full text available: 🅰 pdf(2.24 MB)   Additional Information: full citation, abstract

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